

ABSTRACT OF THE DISCLOSURE

Disclosed is a method, a system and a computer program that is stored on a computer-readable medium and that contains computer program instructions. The computer program instructions direct a computer to monitor the operation of at least one data transformation tool and to automatically record information, from data set manipulation behavior of the at least one data transformation tool, that is descriptive of dependencies inherent in data sets being manipulated. The recorded information is used during subsequent operation of the data transformation tool so as to avoid manipulating a particular data set that the recorded information indicates, in conjunction with other information, would not have changed since it was created or last modified. The other information may comprise at least data and time information that reflects when that the data set was created or last modified. The data transformation tool can include a software project building tool, the data sets being manipulated can be files, and the computer program instructions that direct the computer to monitor the manipulation behavior can monitor a file system.